

Los Angeles County Pollution Burden

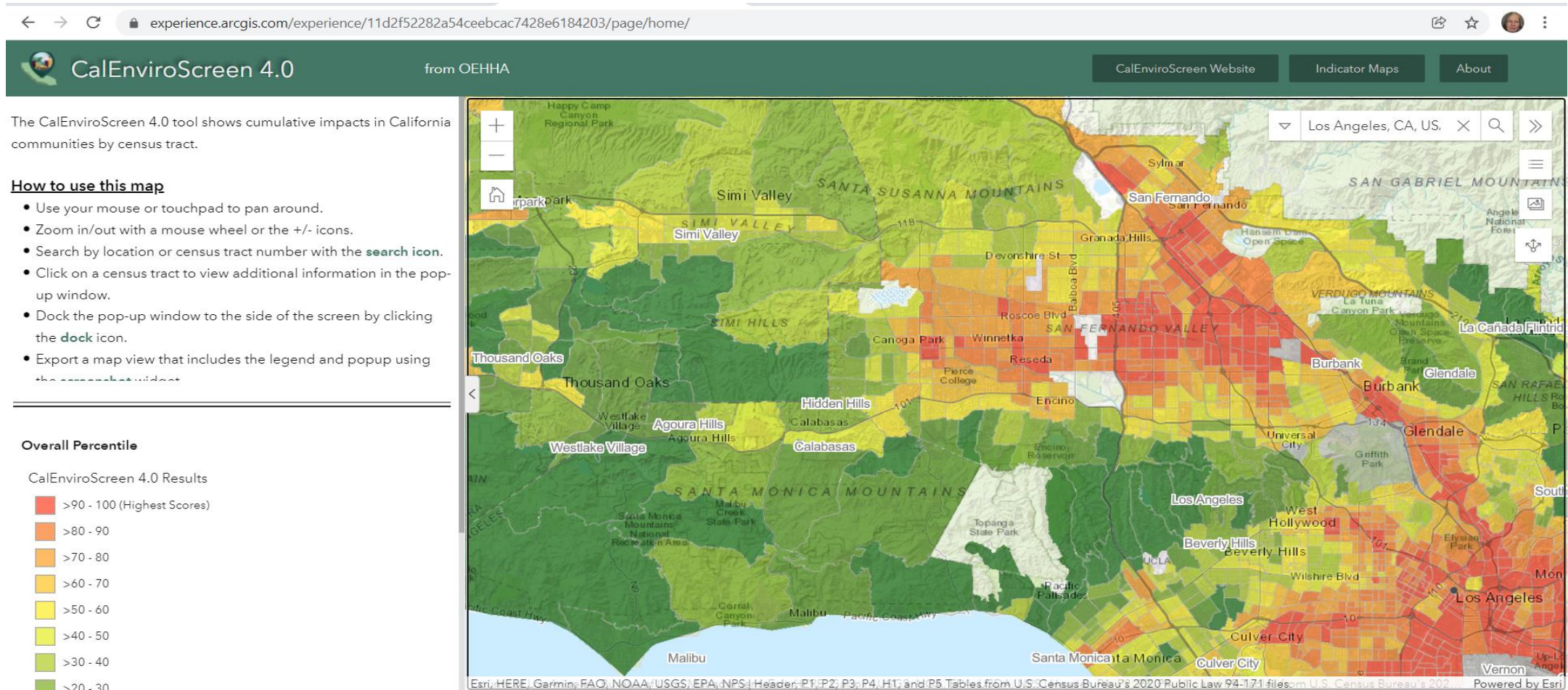
CalEnviroScreen 4.0 map views

Chris Rowe

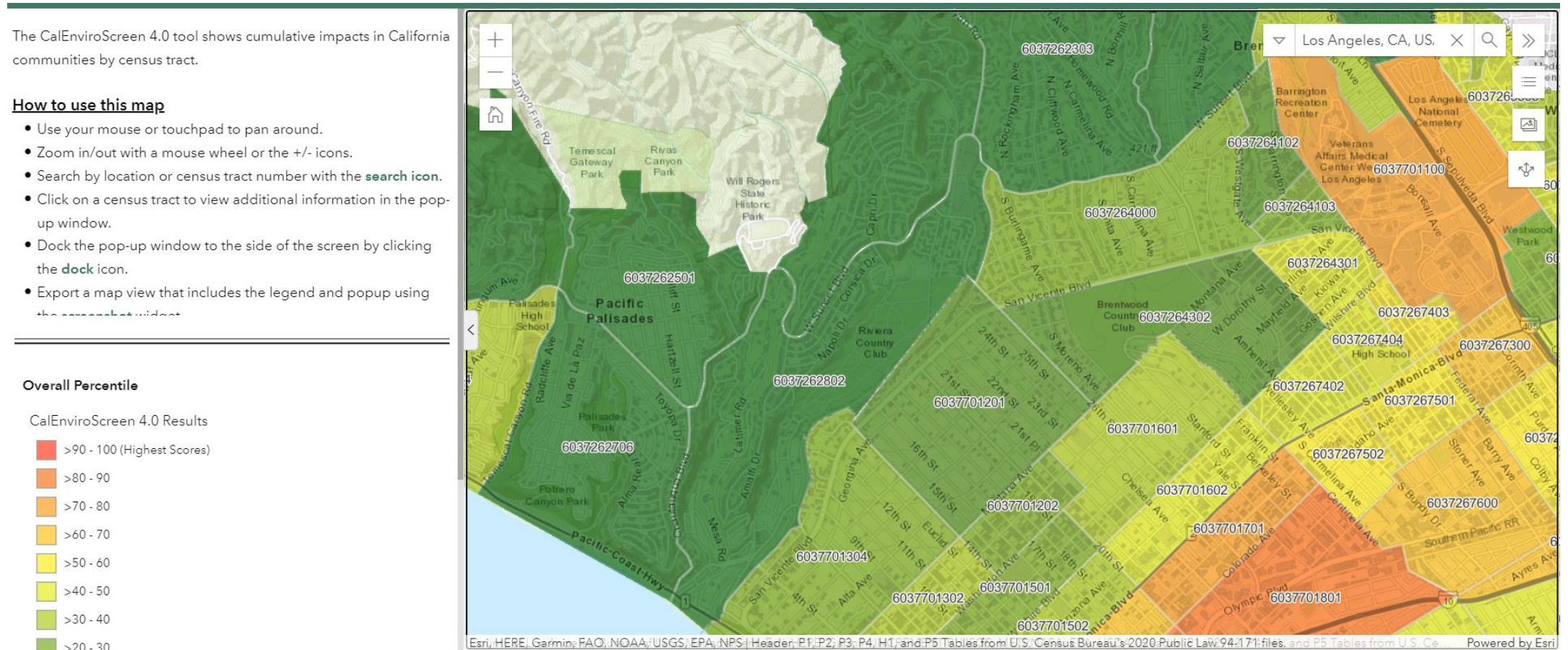
B.S. in Health Education - CSUN

December 8, 2021

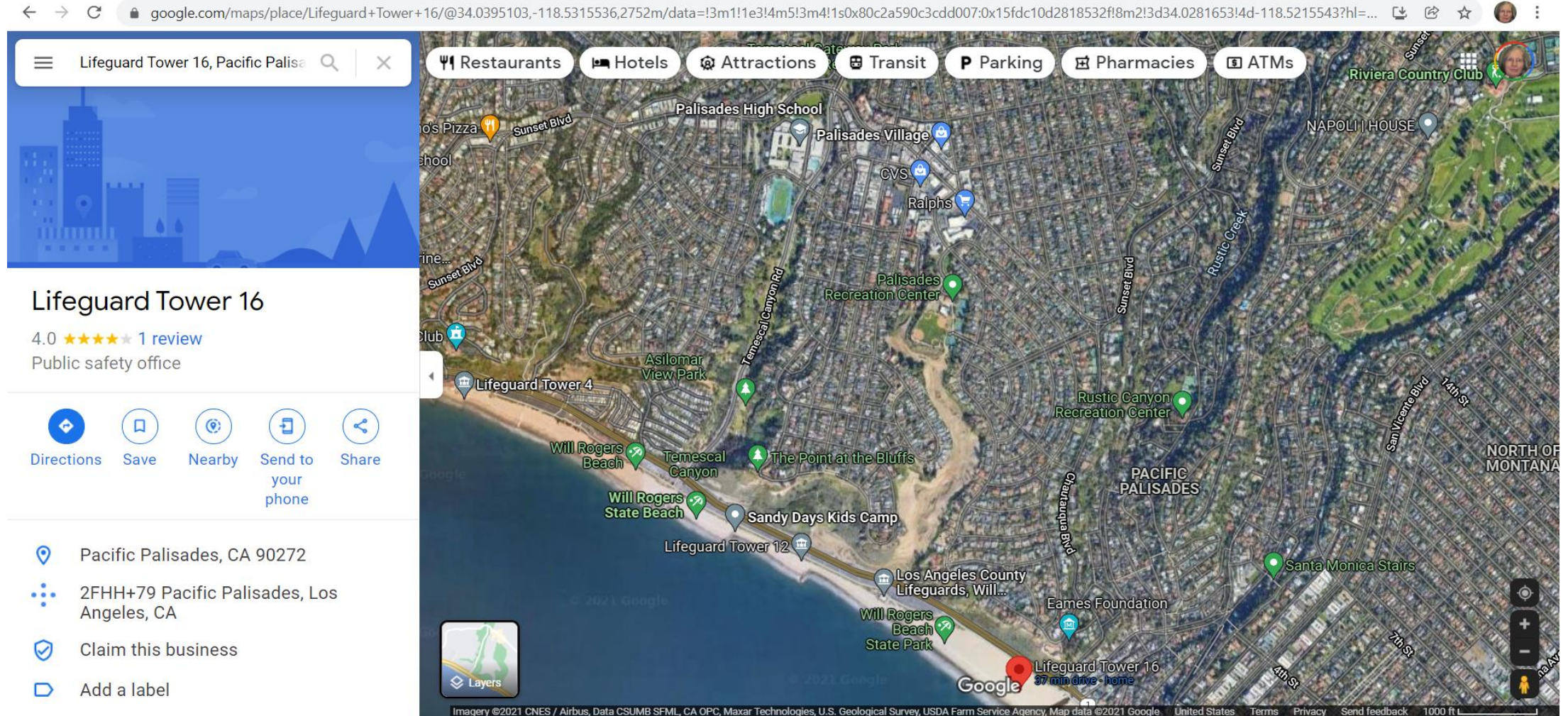
This map encompasses the coastal communities to the west of Santa Monica and the Santa Monica Mountain range. To the north you see the San Fernando Valley by census tract. You can see that most of the Las Virgenes Community of Interest scores in the low pollution burden range. On the lower right side of the screen you see more of the inner city and their higher pollution burden by census tract. In the San Fernando Valley, you see various levels of pollution burden which is more heavy in areas starting in West Hills and Canoga Park going through the center of the San Fernando Valley and more heavily on the east side of the San Diego Freeway. This map was the map that I would choose to show District 3 – from the boundary found on the next page which has census tract data. This map with the boundaries I will describe in the next slides will keep the San Fernando Valley whole with the Las Virgenes COI, Burbank, and Glendale.



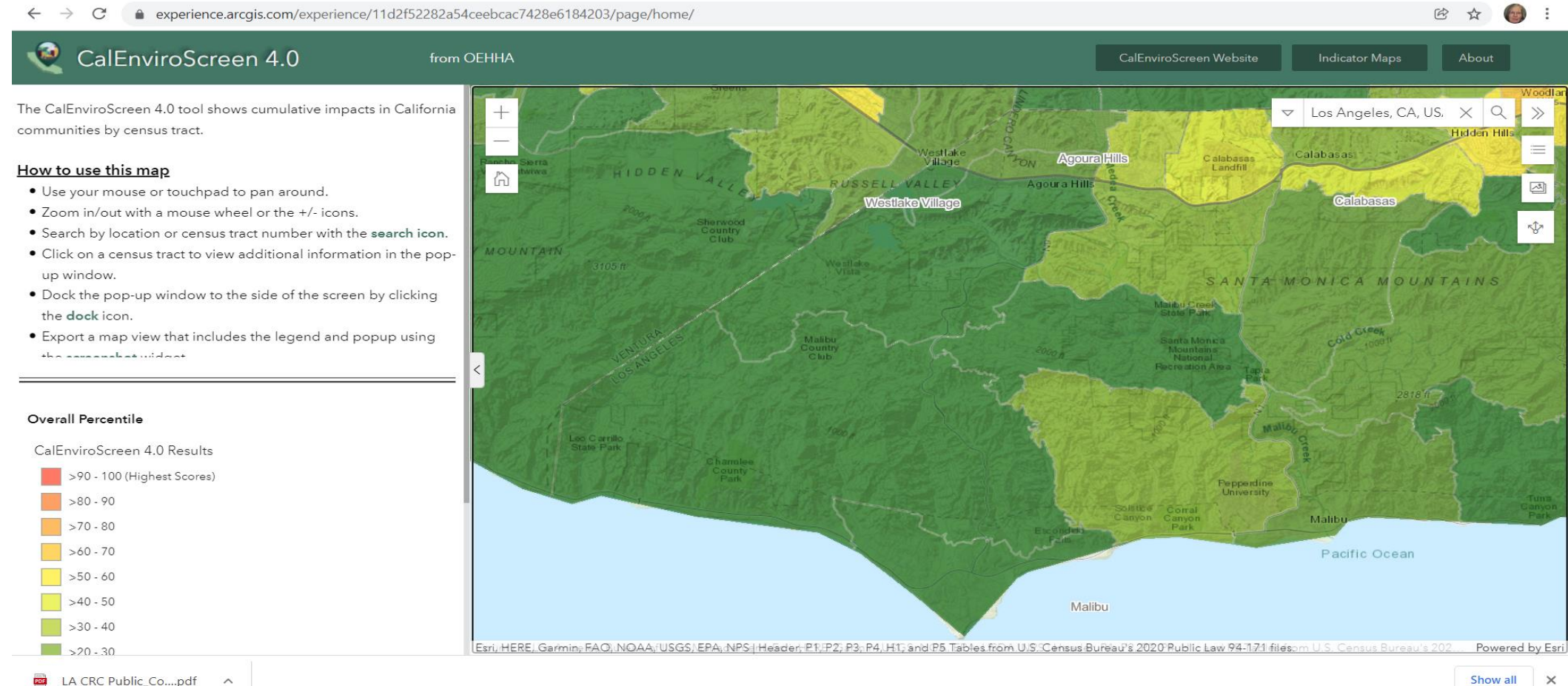
This map shows the census tracts at the coast including the Pacific Palisades, Rustic Canyon to the Los Angeles National Cemetery to the northeast. The darker the green color, the lower the overall pollution burden. Red colors is the Highest score, and the dark orange is in the 80 – 90% range for overall pollution burden based on census tracts for the State of California. Use this map with the Census Tract 6037262706 as the southeast boundary of District 3. Use Chataqua Blvd as the boundary that runs into Sunset Blvd and follow the census tract north along Sunset to create the San Fernando Valley / Las Virgenes Supervisorial District 3.



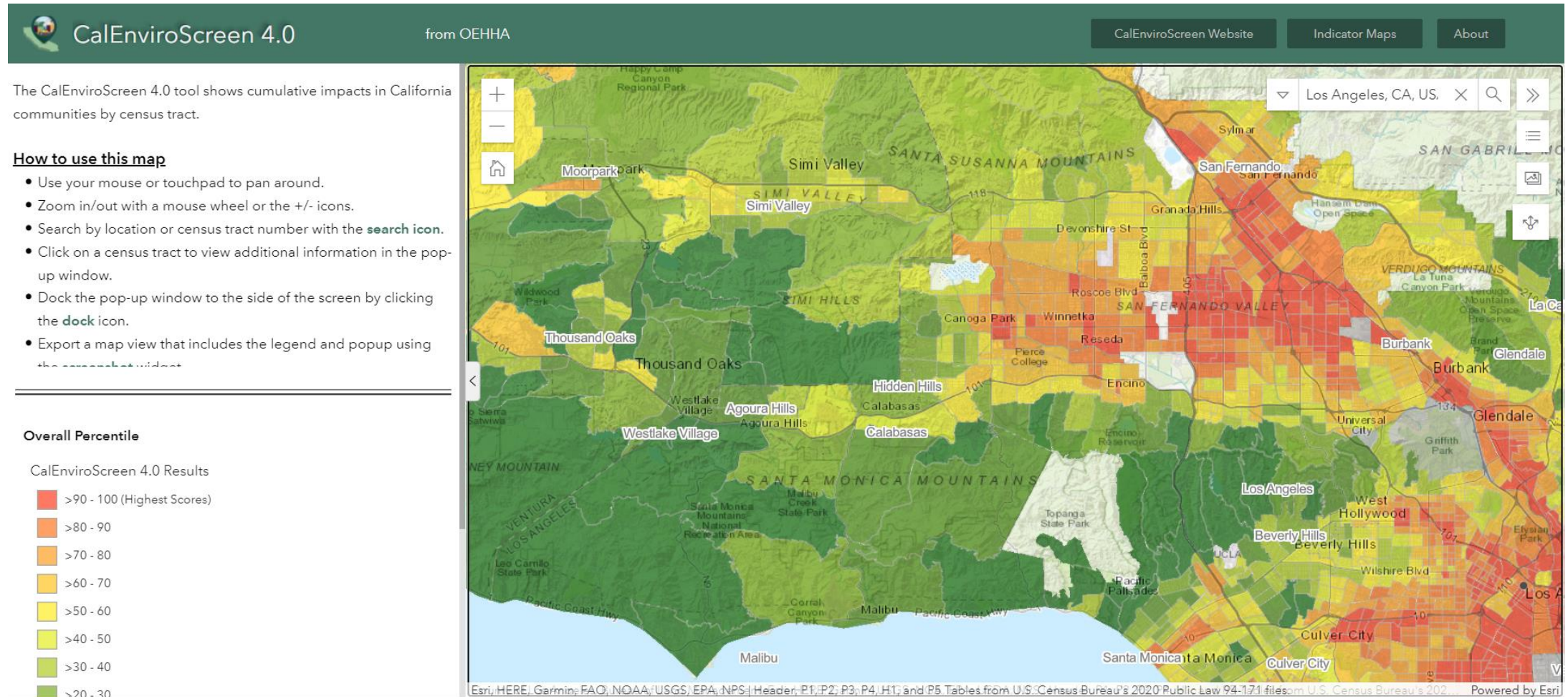
This map shows you Lifeguard tower 16 (the red pointer) in the Pacific Palisades which would be roughly the eastern boundary of the 3rd District Las Virgenes Community of Interest (COI). It shows you the breaking point where the census tract to the far east side of Supervisorial District 3 would be at Chataqua Blvd which runs into Sunset Blvd to allow for the hillside communities in this high fire area to be with the Las Virgenes COI, and separates it from the community of Santa Monica.



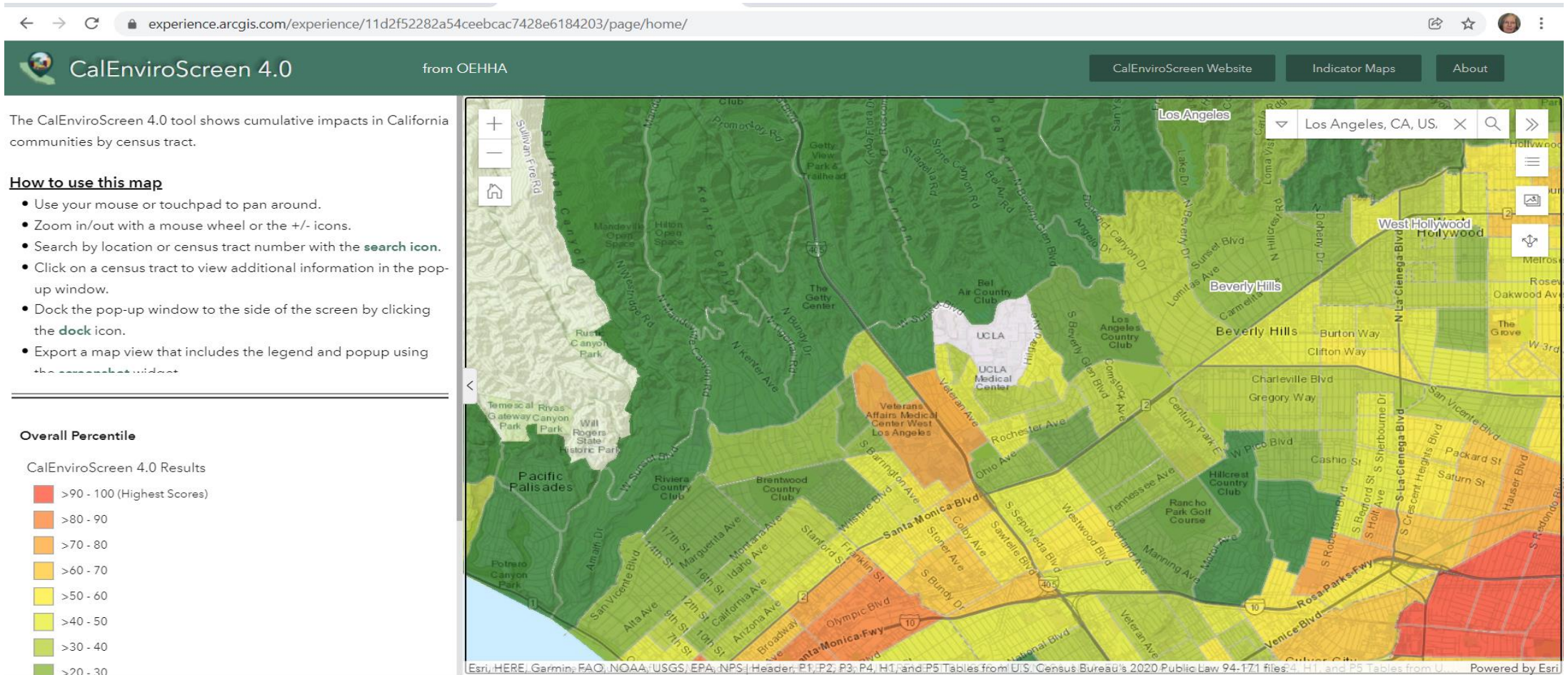
This map shows the Las Virgenes COI – the Santa Monica Mountain range from the Los Angeles County line including Calabasas to the north in yellow, and it goes east of Malibu.



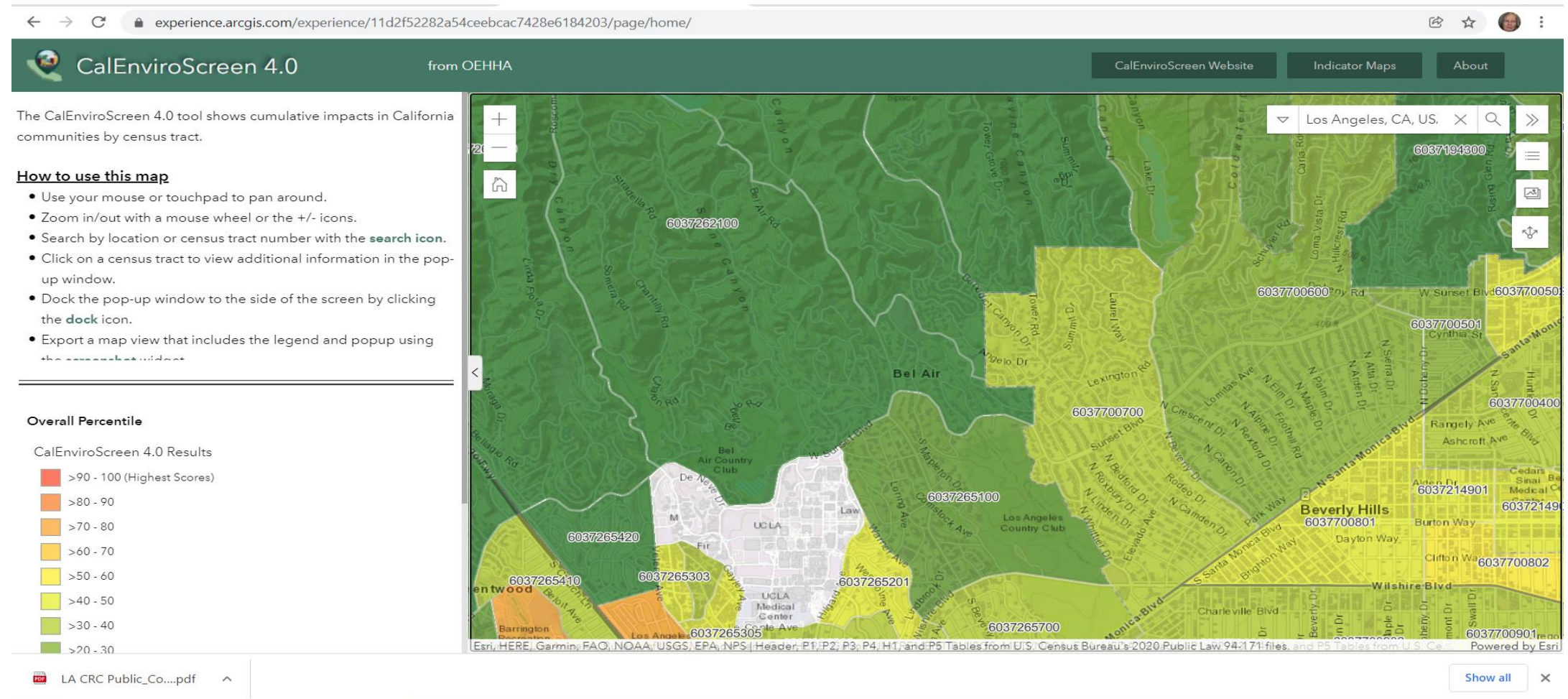
This slide encompasses the finer details of the Los Angeles County line to the southwest, the Santa Monica Mountain range on the South, and it goes north to pick up the Verdugo Hills on the east. It also shows the Santa Susana Mountain Range to the north which includes the Los Angeles Parks that are a part of the San Fernando Valley area of this range. It keeps the San Fernando Valley communities including Chatsworth, Porter Ranch, and Granada Hills together in the San Fernando Valley District 3. It shows the Verdugo Hills to the east. As you can see, the pollution burden is highest starting in the West San Fernando Valley moving east to the eastern part of the San Fernando Valley.



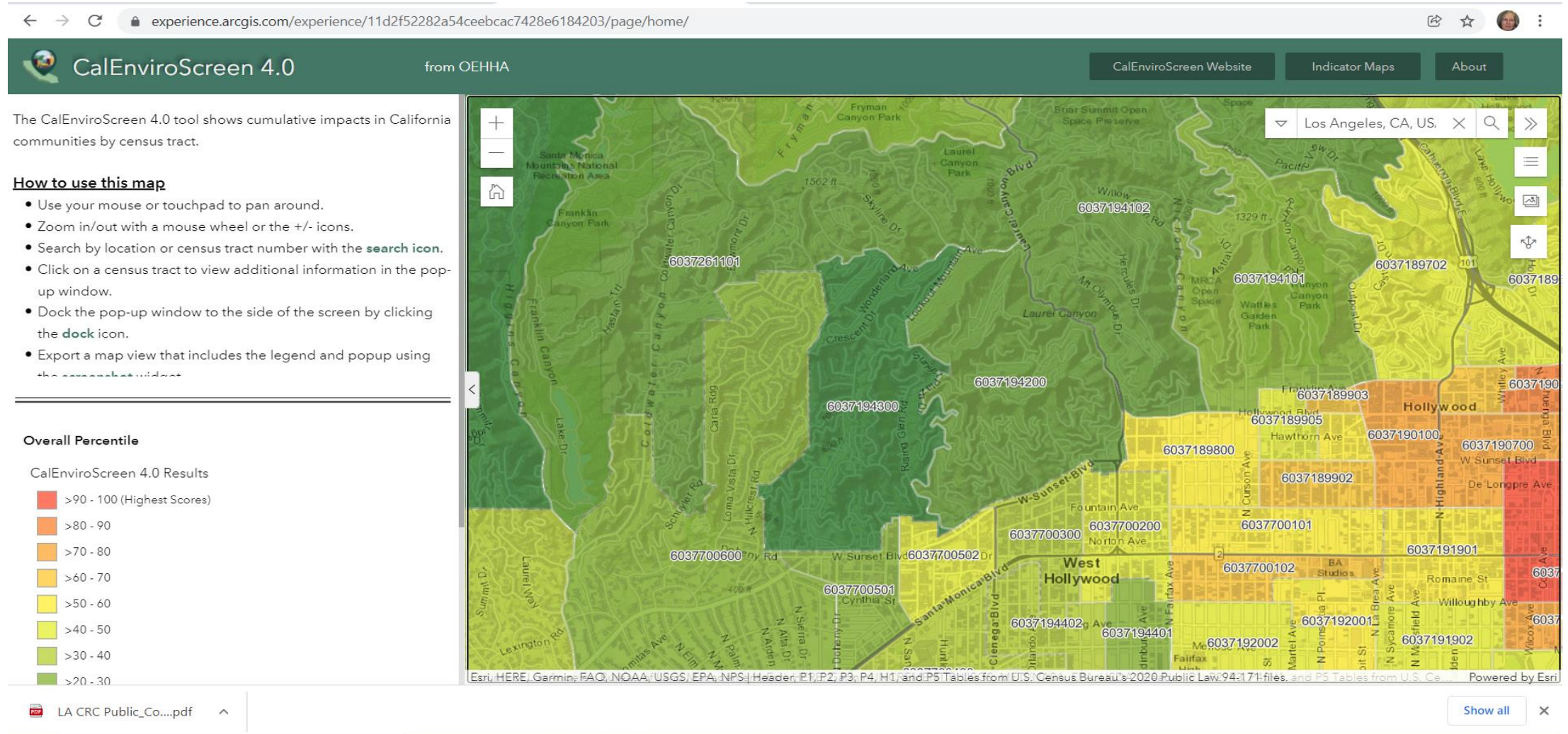
This map shows the area east of the Santa Monica Mountains which includes parts of Santa Monica by census tracts. It shows area like UCLA, Westwood, West Los Angeles, Beverly Hills, and communities further to the east. I believe that these Communities of Interest belong more with Santa Monica and what I always have called the Westside. My husband's parents and sister lived in the West Los Angeles area when we were married over 40 years ago. So while certain aspects of the community have changed, the streets have not. And I have been to these areas recently via both Sunset and Wilshire. You will notice that there is a higher pollution burden score at the Veteran's property in Westwood. The area to the southeast of here is bordered on Franklin to the north that is also a darker orange.



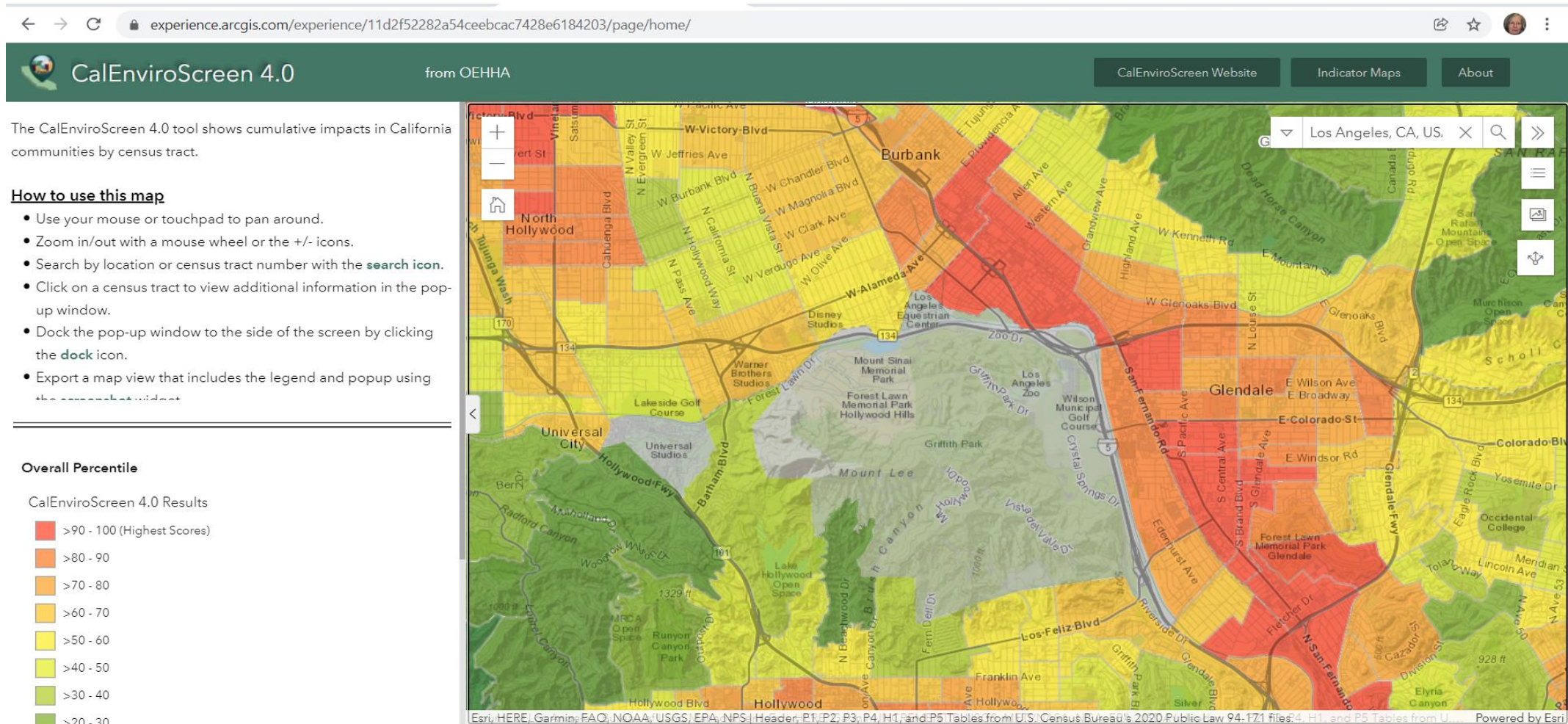
This slide shows the pollution burden is low in the hillsides. This is Bellaire to the north with UCLA shown in white below. These maps show census tracts, and I would like you to continue to follow Sunset Blvd to keep the hillsides of the Santa Monica Mountain range and now the Hollywood Hills as a part of the San Fernando Valley / Las Virgenes Supervisorial District 3. It is my opinion that places like UCLA belong with the Flats of Beverly Hills, and the Flats of Hollywood. Again, the hillsides have a low pollution burden score, but the flatter areas move to lighter green and yellow.



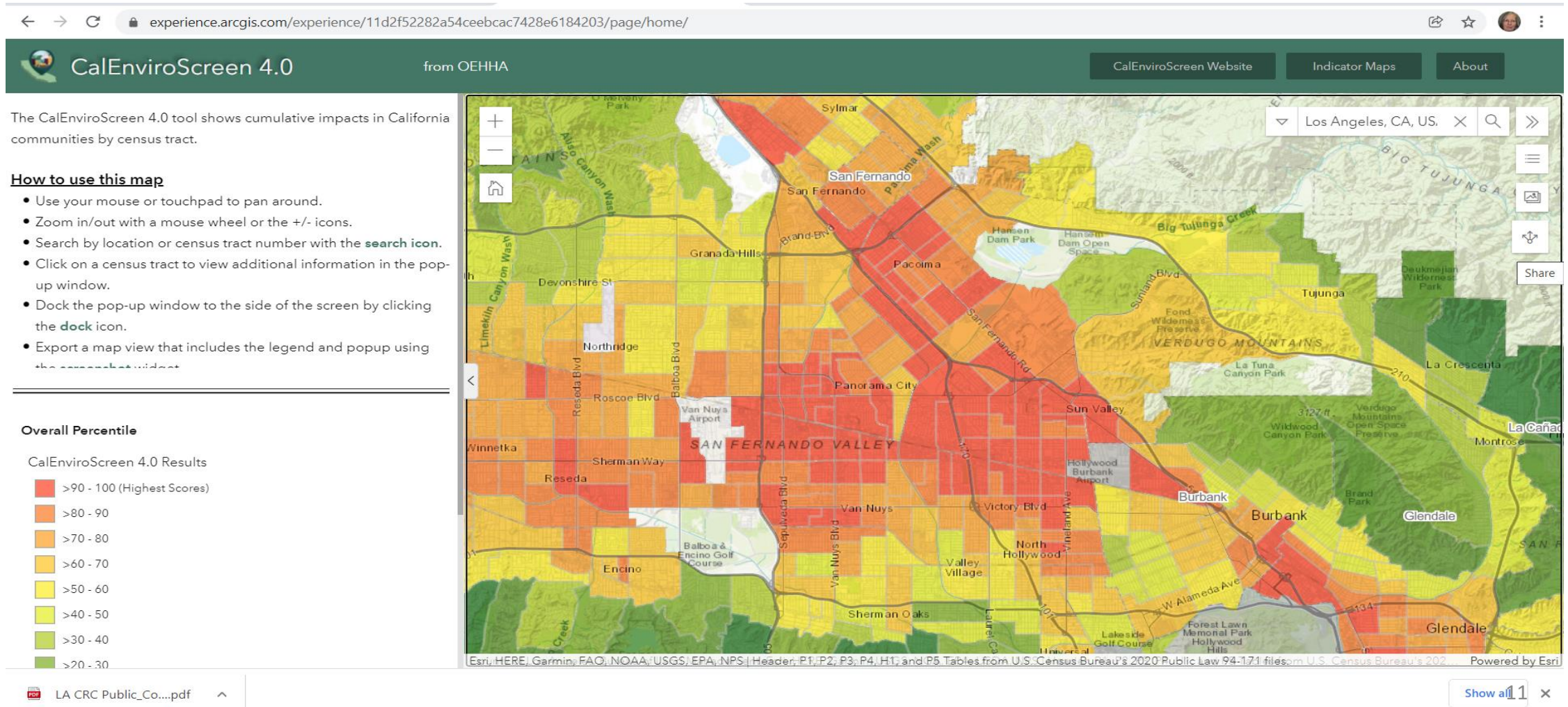
This map moves east picking up more of the Hollywood Hills – most of which are in shades of green. Again, the hillsides should be a part of the Rim of the Valley National Park Service Project area as I have mentioned and as other callers mentioned last night (December 7th, 2021). You can see as you move into the flatter parts of LA City a higher pollution burden than the hillsides. Again, you can see the census tracts which should enable you to draw boundaries.



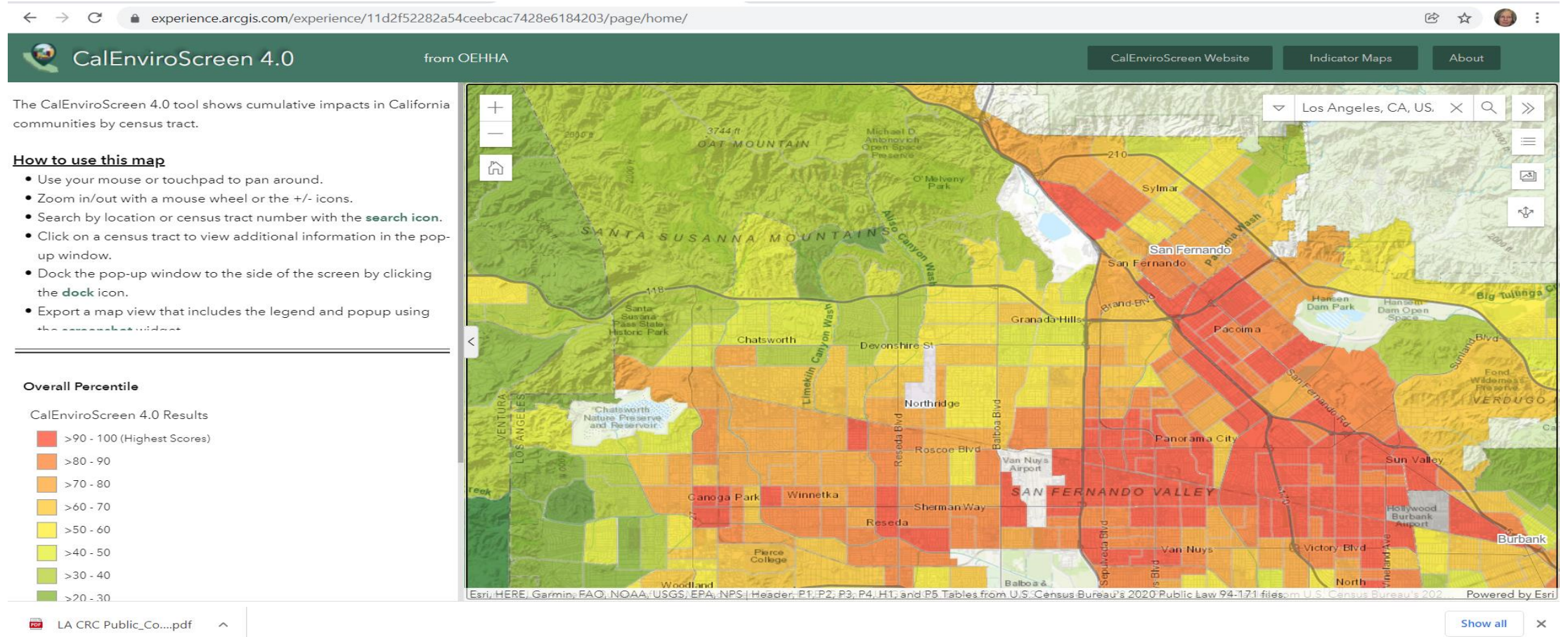
This map shows the Hollywood Hills with Griffith Park shown in grey to light green. It shows a high pollution burden to the east of the 5 freeway. This map includes Glendale and the lower part of the San Fernando Valley. These flatter parts of the southeast San Fernando Valley have a higher pollution burden score; in some areas it looks like the corridor east of the 5 freeway is in the 90 – 100 % pollution burden range.



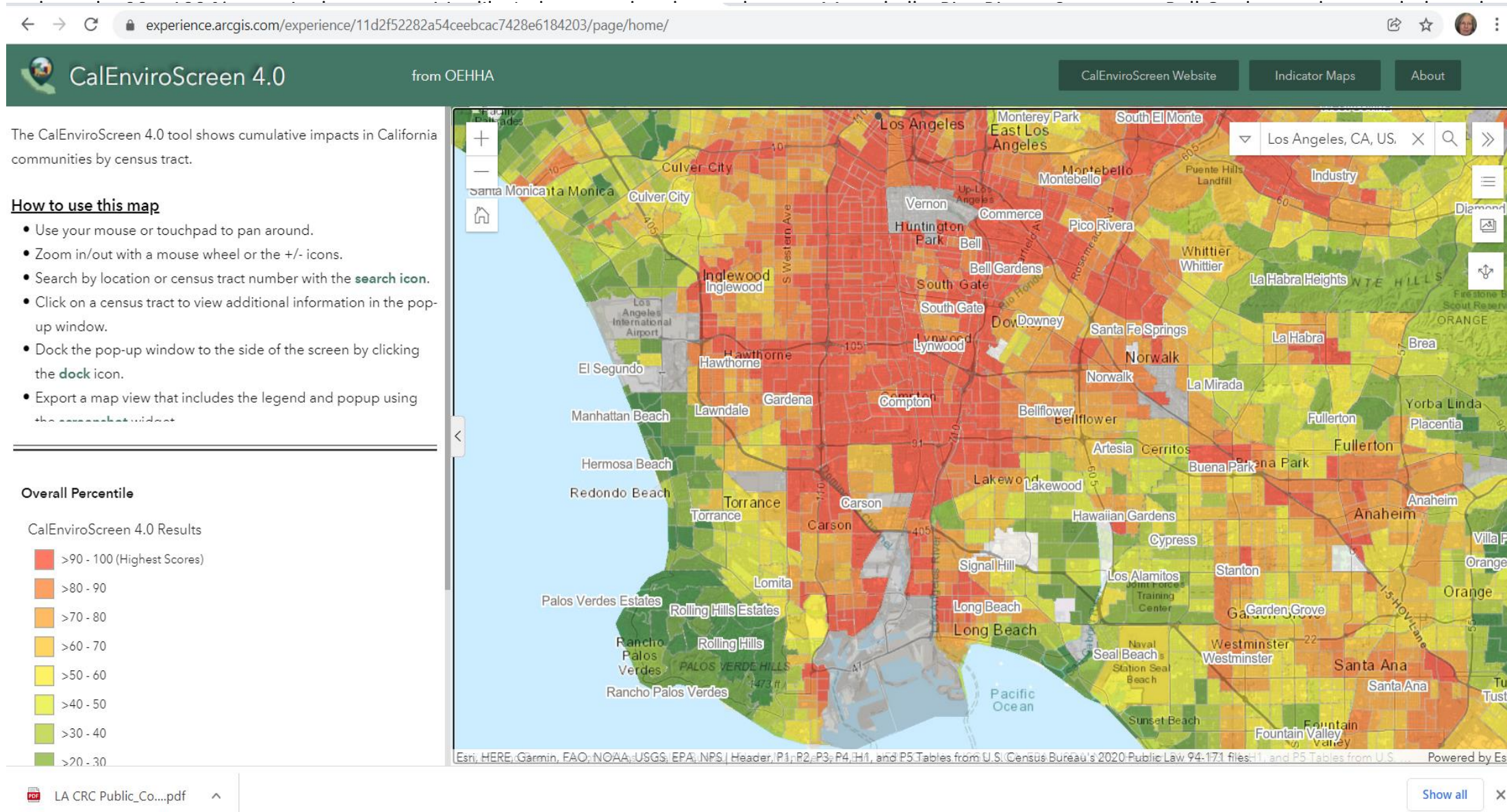
This slide starts about at Winnetka in the San Fernando Valley moving east to incorporate the Verdugo Mountain range to the east. You can see that the San Fernando Valley communities between the hillsides have a range of pollution burden primarily from yellow to red, which places most of the San Fernando Valley into the range of pollution burden from > 40 percent to some census tracts having 90 – 100% scores for overall pollution burden.



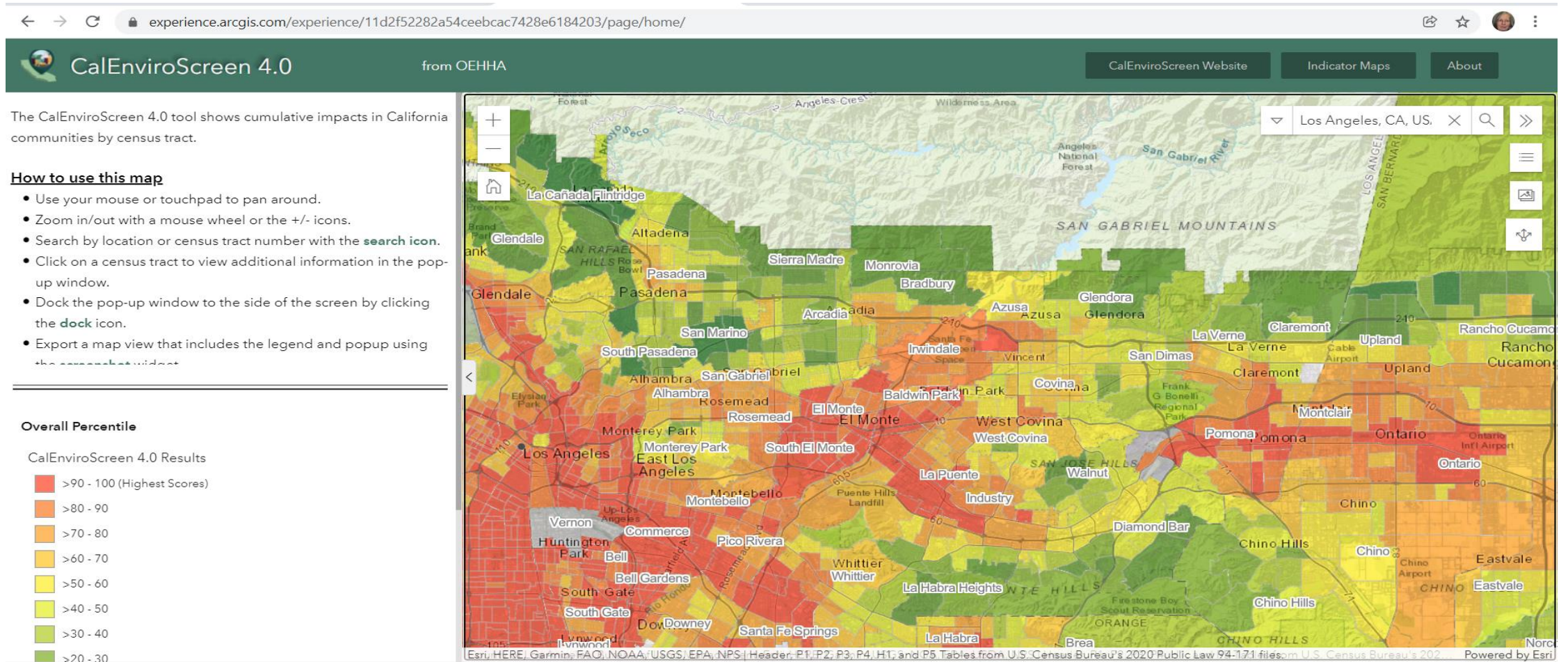
This map shows the western boundary of the San Fernando Valley. It includes the communities of West Hills and Chatworth as well as parts of Woodland Hills on the Western boundary. The goal of this map was to show you the Santa Susana Mountains to the north which include the Communities of Chatsworth, Porter Ranch, and Granada Hills. But do not let that greenish yellow color fool you. This area, south of Oat Mountain is the highly dense area of oil wells and where the Aliso Canyon petroleum deposit area is found. Below the Santa Susana Mountains you see the central portion of the San Fernando Valley to the East San Fernando Valley including the Burbank Airport. You can see that the areas around the Van Nuys and Burbank areas have pollution burdens probably based both on ground traffic as well as on air traffic. Furthermore, I am aware of known groundwater contamination areas of concern in the East San Fernando Valley as well as in the West San Fernando Valley. This is why we need a Supervisor that lives in the San Fernando Valley that understands our issues including pollution burden from various sources including air quality, water quality, and lead in homes and other structures.



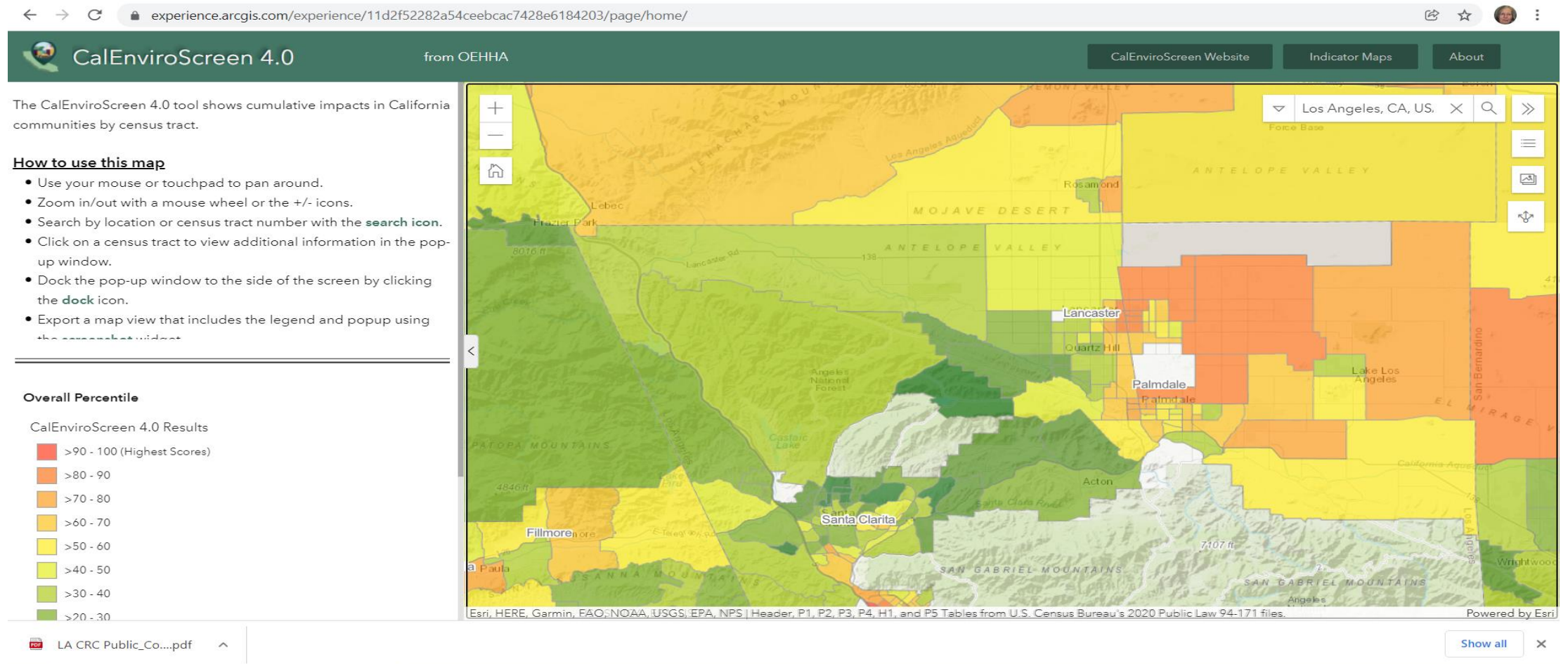
This slide shows you the overall pollution burden. It is clear that from Culver City all the way south to near the ports and Long Beach there is an extremely high pollution burden. Those numbers remain high going east from Culver City to South El Monte on this map. The pollution burden is also high – we are talking



This slide shows the census tracts of the communities in the East San Gabriel Valley by census tract. They show the county line to the east with the San Bernardino County line. Again you see some of the communities that I referenced in the previous slide as showing a very high pollution burden score. You see lower pollution burden scores in the communities which are at the foot of the San Gabriel Mountains including LA Canada/Flintridge, parts of Sierra Madre, Monrovia, Bradbury, Glendora, and parts of Claremont.




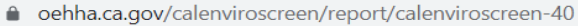
This map shows the pollution burden for the areas of North Los Angeles County. I show the Kern County line to the north, the San Bernadino County line to the east. It shows higher pollution burden in the Palmdale area. The numbers reduce the closer you get the San Gabriel mountains. There is an area also around Lake Los Angeles that appears to be in the 70 – 80% range via the 80 – 90 % range in the areas around Palmdale.


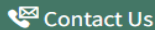















Conclusion:

LA Canada Pollution Burden 4.0: <https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-40>




My maps were based from the CalEnviroScreen map link above which assigns the overall pollution burden score including the new Children's Lead Risk from Housing Indicator.







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CalEnviroScreen 4.0

Oct 20, 2021

The Office of Environmental Health Hazard Assessment (OEHHA) announces the availability of a new version of the California Communities Environmental Health Screening Tool: CalEnviroScreen 4.0. CalEnviroScreen is a screening methodology that can be used to help identify California communities that are disproportionately burdened by multiple sources of pollution. The [CalEnviroScreen 4.0 results](#) are available as a mapping tool. [Maps of the CalEnviroScreen 4.0 Indicators](#) are also available.

This version updates CalEnviroScreen in a variety of ways:

- All indicators contain the most recent available data.
- There are improvements in the way some indicators are calculated to better reflect environmental conditions or population vulnerability to pollution.
- One new indicator, [Children's Lead Risk from Housing](#), accounts for possible lead exposure from paint and other sources in or around the home.

[En español aqui](#)

